

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10310 (1982): Nomenclature for formers for yarn packages  
[TXD 14: Machinery for Fabric Manufacture]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



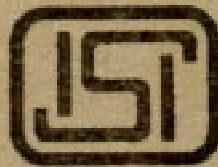
BLANK PAGE



*Indian Standard*

NOMENCLATURE FOR  
FORMERS FOR YARN PACKAGES

UDC 677 — 487.5 : 677.053.296.2 : 001.4



© Copyright 1983

**INDIAN STANDARDS INSTITUTION**

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI 110002

# *Indian Standard*

## NOMENCLATURE FOR FORMERS FOR YARN PACKAGES

### Textile Mill Accessories ( Other Than Jute ) Sectional Committee, TDC 19

<i>Chairman</i>	<i>Representing</i>
SHRI V. N. SUBBA RAO	The Southern India Mills' Association, Coimbatore
<i>Members</i>	
SHRI R. V. BHATVADEKAR	Textile Machinery Manufacturers' Association ( India ), Bombay
SHRI ATUL CONTRACTOR	Bharat Timber Industries ( Bombay ) Private Ltd, Bombay
SHRI VIDYUT CONTRACTOR ( <i>Alternate</i> )	
SHRI M. V. DHORE	The Bombay Dyeing and Manufacturing Co Ltd, Bombay
SHRI K. S. KELKAR ( <i>Alternate</i> )	
SHRI A. M. DOSHI	Textiles Committee, Bombay
SHRI C. R. MASTER ( <i>Alternate</i> )	
SHRI H. C. GOYAL	The Standard Mills Co Ltd, Bombay
SHRI J. C. JAIN	The Raymond Wollen Mills Ltd, Bombay
SHRI T. D. KAMDAR	Silk & Art Silk Mills' Association Ltd, Bombay
SHRI D. A. JOSHI ( <i>Alternate</i> )	
SHRI P. D. KIMOTHI	Ahmedabad Textile Industry's Research Associa- tion, Ahmadabad
SHRI C. G. VENKATARAMANAN ( <i>Alternate</i> )	
SHRI B. P. KOPPIKAR	Cop Centron Syndicate, Bombay
SHRI K. K. LAKHOTIA	Shalimar Group Private Limited, Calcutta
SHRI O. P. VAISH ( <i>Alternate</i> )	
SHRI N. L. LOUNGANI	The Bombay Millowners' Association, Bombay
SHRI C. N. MEHTA	The Finlay Mills Ltd, Bombay
SHRI M. J. PATWARDHAN	Office of the Textile Commissioner, Bombay
SHRI S. K. PATRA ( <i>Alternate</i> )	
SHRI B. S. RAJ	Texmaco Limited, Calcutta
SHRI B. K. CHATTERJEE ( <i>Alternate</i> )	
SHRI B. RAMACHANDRAN	The Indian Textile Paper Tube Co Ltd, Virudhunagar
SHRI S. S. MOORTHY ( <i>Alternate</i> )	
REPRESENTATIVE	The Delhi Cloth & General Mills Co Ltd, Delhi

( *Continued on page 2* )

© Copyright 1983

INDIAN STANDARDS INSTITUTION

This publication is protected under the *Indian Copyright Act* ( XIV of 1957 ) and reproduction in whole or in part by any means except with written permission of the publisher shall be deemed to be an infringement of copyright under the said Act.

( Continued from page 1 )

<i>Members</i>	<i>Representing</i>
DR. P. R. ROY	The Ahmedabad Textile Mills' Association, Ahmadabad
SHRI K. G. SANE	The Khatau Makanji Spg & Wvg Co Ltd, Bombay
SHRI B. A. SHAH	The Textile Association ( India ) Regd, Bombay
SHRI A. R. MEHTA ( <i>Alternate</i> )	Acme Bobbins & Shuttles Private Ltd, Bombay
SHRI J. K. SHAH	All India Bobbin Manufacturers' Association, Bombay
SHRI D. C. NATHANI ( <i>Alternate</i> )	The Bombay Textile Research Association, Bombay
SHRI V. S. SHAH	Forest Research Institute & Colleges, Dehra Dun
SHRI D. K. PANCHAL ( <i>Alternate</i> )	Association of Merchants & Manufacturers of Textile Stores & Machinery ( India ), Bombay
SHRI A. T. SHAHANI	Mafatlal Engineering Industries Ltd, Bombay
SHRI R. R. GOSAI ( <i>Alternate</i> )	Director General, ISI ( <i>Ex-officio Member</i> )
SHRI S. N. SHARMA	
SHRI G. T. VADODARIA	
SHRI C. N. VARTAK	
SHRI S. M. CHAKRABORTY, Director ( Tex )	

*Secretary*

SHRI R. K. DUA  
Deputy Director ( Tex ), ISI

# *Indian Standard*

## NOMENCLATURE FOR FORMERS FOR YARN PACKAGES

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 10 November 1982, after the draft finalized by the Textile Mill Accessories ( Other Than Jute ) Sectional Committee had been approved by the Textile Division Council.

**0.2** This standard has been prepared with a view to eliminate ambiguity and confusion arising from local interpretation of names of various types of formers for yarn packages.


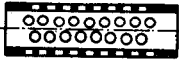
**0.3** This standard is based on ISO 1809-1977 'Types of formers for yarn packages — Nomenclature', issued by the International Organization for Standardization ( ISO ).

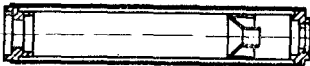

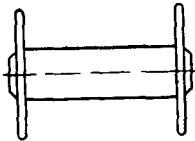
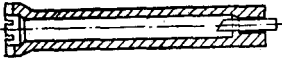
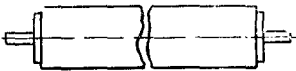
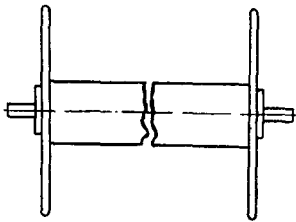
### 1. SCOPE

**1.1** This standard gives illustrated nomenclature for following types of formers of yarn packages:

- a) Cylindrical tubes or bobbins,
- b) Tapered tubes, and
- c) Combined tubes.

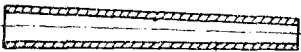

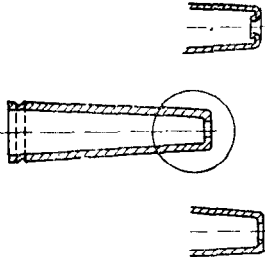
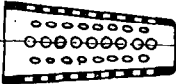
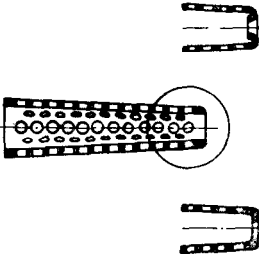
### 2. CYLINDRICAL TUBES OR BOBBINS

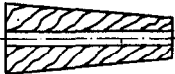
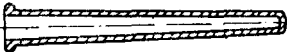
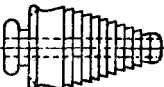
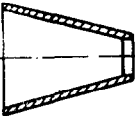
Clause	Drawing	Nomenclature
2.1		Cylindrical non-perforated tube
2.2		Cylindrical perforated tube

Clause	Drawing	Nomenclature
2.3		Cylindrical tube for draw-twisters
2.4		Tube for peg or skewer
2.5		Double flanged bobbin
2.6		Flyer bobbin
2.7		Condenser bobbin without flanges
2.8		Condenser bobbin with flanges






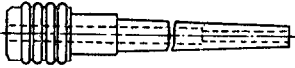
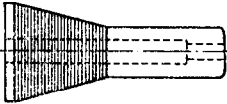

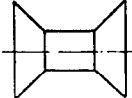
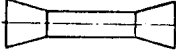
## 3. TAPERED TUBES

Clause	Drawing	Nomenclature
3.1		Tapered tube without cone base
3.2		Non-perforated open top cone
3.3		Non-perforated cone with rolled-in top or flat-end top
3.4		Perforated open top cone
3.5		Perforated cone with rolled-in top or flat-end top

Clause	Drawing	Nomenclature
3.6		Wood cone
3.7		Tapered tube for draw twisting and twisting
3.8		Initial cone for super cops
3.9		Initial cone for rocket bobbins

#### 4. COMBINED TYPES

Clause	Drawing	Nomenclature
4.1		Tapered tube with built-up/wrapped base
4.2		Perforated cheese centre for dyeing purposes
4.3		Weft pirn with half cone base (for natural silk and other continuous filament yarns)

Clause	Drawing	Nomenclature
4.4		Weft pirn for automatic looms
4.5		Bottle bobbin
4.6		Small bottle bobbin
4.7		Spool with conical flanges ( for knitting or sewing thread )
4.8		Biconical tube

# INDIAN STANDARDS

## ON TEXTILE MILL ACCESSORIES ( OTHER THAN JUTE )

IS :

- 1724-1971 Wooden warp bobbins for rabbeth spindles ( *secon revision* )
- 1794-1971 Shuttles for plain calico looms ( *first revision* )
- 1896-1970 Picking sticks for overpick cotton looms ( *first revision* )
- 2058-1973 Shuttles for pirn-changing automatic cotton looms ( *first revision* )
- 3265-1971 Weft pirns ( taper fit ) for use in shuttles for plain calico looms ( *first revision* )
- 3496-1966 Dobby lags and pegs
- 3625-1971 Warp tubes for use on aluminium plug type spindles ( *first revision* )
- 3834-1966 Lease rods for cotton looms
- 4187-1966 Skewers for use on cotton speed frames
- 4416-1967 Dobby barrels
- 4417-1971 Weft pirns for shuttles for pirn-changing automatic cotton, woollen and worsted looms ( *first revision* )
- 4775-1976 Picking sticks for automatic and underpick looms ( *first revision* )
- 4888 ( Part I )-1982 Cones for yarn winding : Part I Half angle of the cone 3°30' ( *second revision* )
- 4888 ( Part II )-1982 Cones for yarn winding : Part II Half angle of the cone 4°20' ( *second revision* )
- 4888 ( Part III )-1982 Cones for yarn winding : Part III Half angle of the cone 5°57' ( *second revision* )
- 4888 ( Part IV )-1982 Cones for yarn winding : Part IV Half angle of the cone 9°15' ( *second revision* )
- 5141-1969 Wooden cones for winding yarn
- 5473-1969 Double flanged bobbins used in woollen and worsted mills
- 5492-1969 Pirns for woollen and worsted plain looms
- 6268-1971 Accessories for use in shuttles for plain calico looms
- 7614-1975 Wooden bobbins for ring doubling and twisting frames
- 8684-1978 Classification of terms for shuttles
- 9280-1979 Wooden shuttle blocks for non-automatic looms
- 9287-1979 Wooden shuttle blocks for pirn-changing automatic looms
- 9337 ( Part I )-1979 Bobbins and pirns used in textile mills : Part I Wooden flyer bobbins
- 9794-1981 Boards/blanks for sley bottom, race, cap and box back of cotton looms